



REMARKS

Claims 1-14 are in the application and were considered.

Claims 4, and 9-14 were found allowable.

Claims 1, 2, 7 and 8 are canceled.

Claims 3, 4, 5, 6, and 14 are amended.

Claims 3-6 and 9-14 remain in the application.

The specification is amended to correct minor errors kindly noted by the Examiner.

Applicants respectfully note that after searching, they could not locate the 'resin as the screw' error but did locate, and correct the others mentioned in item 2, of the office action. Upon further inquiry, additional clarifying instructions will be immediately provided.

No new matter has been added.

Support for the amendments is found in the original claims, specification, and drawings.

1. Objection to claims 6 and 14

Applicants indicate that the Examiner recommended amendments to claims 6 and 14 are included and that the objection has been overcome for that reason alone.

2. Rejection of claims 1-3, 5-8 under 35 U.S.C. §103(a)

Applicants respectfully note that claims 3, 5, and 6 have been amended to depend upon the allowable claim 4. Claim 4 has been amended into independent form, incorporating the claims from which it depended,

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namely claims 1 and 2.

Applicants respectfully suggest that claims 3, 5, and 6, now depend from an allowable base claim and are allowable for that reason alone. As a consequence, Applicants propose that the rejection under §103 should be avoided for that reason alone.

Claims 7 and 8 are canceled, with prejudice.

All other claims were previously allowable.

The claims were amended, not to overcome the prior art, but solely in order to clarify the invention so that the differences between the present invention and the prior art are made clearer.

CONCLUSION

Reconsideration and withdrawal of the rejection is respectfully requested. In view of the foregoing, the application is now believed to be in proper form for allowance and notice to that effect is earnestly solicited. It is respectfully believed that Applicants have responded to each and every objection and rejection.

While Applicants have respectfully disagreed with the Examiner's rejection of the claims for the above reasons, Applicant's have elected to amend the claims for clarity only, and solely for the purpose of clarifying the patent application process in a manner consistent with the PTO's Patent Business Goals (PBG), 35 Fed. Reg. 54603 (September 8, 2000). Therefore, it is proposed that these amendments do not narrow the scope of the claims within the meaning of FESTO.

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication, or credit any overpayment, to Deposit Account No. 13-4550.

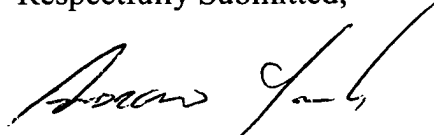
No new matter has been added.

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In the spirit of condensed and streamlined practice, if the Examiner believes that a telephone conference would be of value, he is respectfully requested to call the undersigned counsel at the number listed below for prompt response.

Early and favorable action is respectfully solicited.

Respectfully Submitted,



Andrew F. Young, Esq
Registration No. 44,001
Attorney for Applicant

The Morrison Building
145 North Fifth Avenue
Mount Vernon, New York 10550
(914) 667-6755

Date: 2/27/02

Attached: **VERSION WITH MARKINGS TO SHOW CHANGES MADE**





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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Kindly amend the specification, on page 1, second para. as shown:

Conventionally, as to a capstan driving motor for a videotape deck, a method of full-wave or half-wave current linear driving is generally adopted. However, in order to achieve power-saving, high resistance to voltage, speed-up and suppression of heating, rather than this kind of the driving motor, it has been known to use a direct driving motor [an] output shaft of which can be directly connected to a capstan axis, and which is controlled by PWM the method. As disclosed in a publication of unexamined Japanese Utility Model Application No. 59-117284, said direct driving motor controlled by the PWM method is structured by a rotatable rotor provided with a 9 ring-shaped magnet, and a stator core facing to the magnet of said rotor and having a driving coil. Although this shows a brushless motor facing to a surface of the magnet, this structure can also be applied to a brushless motor facing to a periphery of the magnet.

Kindly amend the specification on page 2, second full para., extending to page 3, as shown:

This invention is made to solve the above-mentioned problems. The first object of the present invention is to provide a mechanism for avoiding propagation of driving motor noise and vibration on a tape deck, which, by using a direct driving motor controlled by the PWM method for driving a capstan, prevents switching noise of said motor from propagating to a cylinder head drum, a video circuit and an audio circuit, thereby suppressing the video screen noise and audio noise.

Kindly amend the specification on page 13, first full para. as shown:

FIG. 6 shows a modified embodiment of the second embodiment. In this embodiment, the supporting member 51 is comprised of a projection 52 which is formed in the deck chassis 2 by drawing processing, and an insulating sheet material 53 (e.g., vinyl chloride) which is intervened between the projection 52 and motor PCB 21. The projection 52, and insulating sheet 53, and the insulating sheet 53 and motor PCB 21 are adhered to each other on their contacting surfaces. Instead of the insulating sheet 53, an insulating coating film can be formed on a

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contacting surface of the motor PCB 21 and projection 52. The constitutions of above-described second embodiment and the modified embodiment thereof suppress the vibration of the motor PCB 21 caused by the vibration generating in the activation of the PWM motor 20. Accordingly, this prevents the vibration from propagating to the deck chassis 2, which suppresses vibration resonant noise and avoids image jitter from generating.

IN THE CLAIMS:

Kindly amend the claims as follows.

Kindly cancel claims 1, 2, 7, 8

Kindly amend claims 3, 4, 5, 6, and 14 as shown

3. (Amended) The mechanism for preventing propagation of driving motor noise and vibration on a tape deck according to claim [2] 4, wherein said direct driving motor is mounted on said deck chassis through an insulating material.

4. (Amended) [The] A mechanism for preventing propagation of driving motor noise and vibration on a tape deck, [according to claim 2,] comprising

a deck chassis, a pinch roller and a capstan axis for conveying a tape, a motor which is mounted on said deck chassis for driving said capstan axis, a cylinder drum which is mounted on said deck chassis and provided with a head for magnetic-recording and playing on the tape;

said motor being a direct driving motor in which a motor shaft is directly coupled to the capstan axis, and which is controlled by current switching;

said motor being electrically insulated from said deck chassis;

said direct driving motor controlled by a pulse width modulation (PWM) control; and

[wherein] said direct driving motor [comprises] including a rotational axis as a capstan axis, a rotor which is mounted on said rotational axis, a stator core which is wound by a coil being supplied PWM control current and faces to said rotor, and a bearing holder which holds said stator core and supports said rotational axis, and said direct driving motor is mounted through said bearing holder on the deck chassis[:];

wherein said bearing holder is made of an insulating material.

5. (Amended) The mechanism for preventing propagation of driving motor noise and vibration on a tape deck according to claim [2] 4, wherein said cylinder drum is mounted on said deck chassis through an insulator.

6. (Amended) [The] A tape deck which comprises the mechanism for

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controlling driving motor noise and vibration on a tape deck according to claim [2] 4.

14. (Amended) [The] A tape deck which is provided with the mechanism which suppresses driving motor noise and vibration on a tape deck according to claim 10.

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